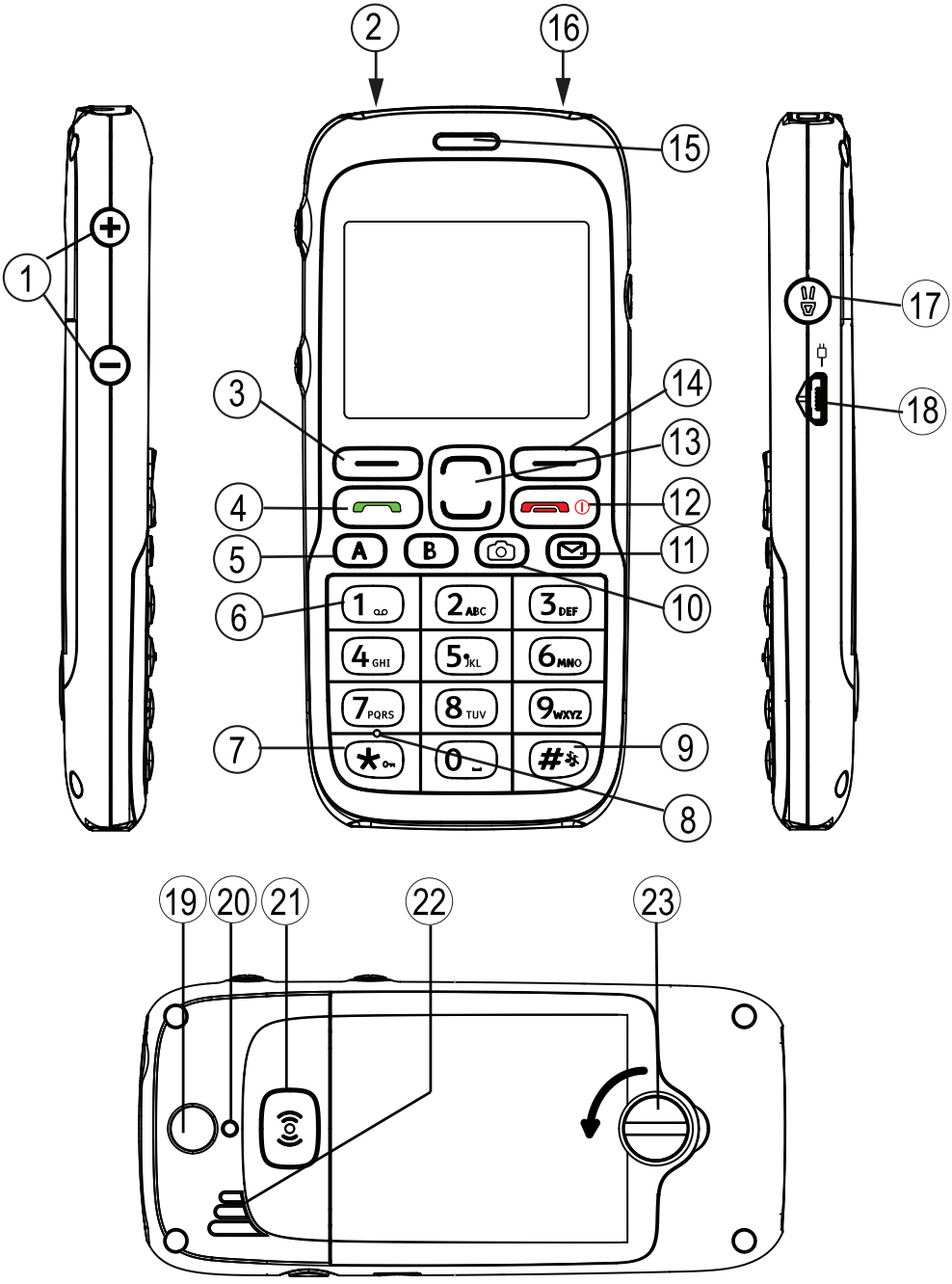
Doro PhoneEasy® 520X

English (US)

DESIGN BY DORO OF SWEDEN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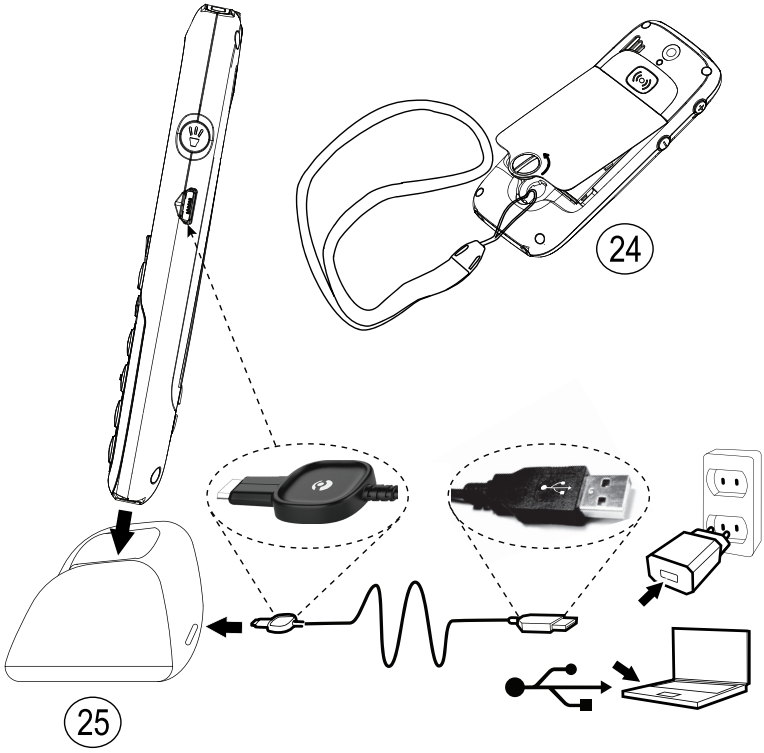
2 ABC
3 DEF
4 GHI
5 JKL
6 MNO
7 PQRS
8 TUV
9 WXYZ
0
#

English

1. Volume control
2. Headset socket
3. Left selection button
4. Call button
5. Speed dial
6. Voice mail
7. Key lock
8. Microphone
9. Silent/Input method
10. Camera shortcut
11. SMS shortcut
12. End call/**Power on/off**
13. Arrow buttons
14. Right selection button
15. Earpiece
16. Flashlight
17. Flashlight button
18. Charging socket
19. Camera lens
20. Camera flash
21. Assistance button
22. Loudspeaker
23. Battery cover/lock
24. Lanyard
25. Charging stand



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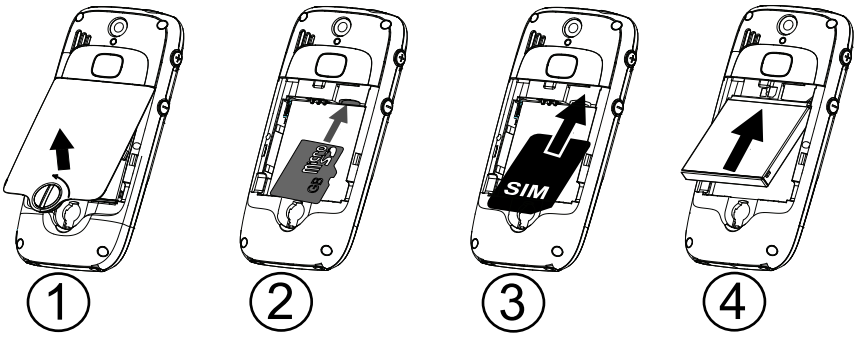
Installation

IMPORTANT!

Turn off the phone and disconnect the charger before removing the battery cover.

Install the SIM card, memory card and the battery

The SIM and memory card holders are located inside the battery compartment.



1. Remove the battery cover and the battery if it is already installed. Unlock the battery cover by turning the screw a quarter of a turn counter clockwise.
2. Optional: Insert the memory card into the slot under the SIM card holder. Make sure that the memory card contacts are facing inwards and push the card in, until you hear a click. Take care not to scratch or bend the contacts on the card. To remove or replace the card, push the card in until you hear a click and then pull the card out.
3. Insert the SIM card by gently sliding it into the holder. Make sure that the SIM card's contacts are facing inwards and that the cut off corner is pointing downwards. Take care not to scratch or bend the contacts on the SIM card.
4. Insert the battery by sliding it into the battery compartment with the contacts facing upwards to the left. Replace the battery cover and lock it by turning the screw a quarter of a turn clockwise.

IMPORTANT!

Use only compatible memory cards for use with this device. Compatible card type: **microSD, microSDHC**.
Incompatible cards may damage the card itself, the device and corrupt data stored on the card. Depending on the market some phones may have a pre-installed memory card.

Charging

⚠ CAUTION

Only use batteries, charger and accessories that have been approved for use with this particular model. Connecting other accessories may be dangerous and may invalidate the phones type approval and guarantee.

When the battery is running low, is displayed and a warning signal is heard. To charge the battery, connect the mains adapter to a wall socket and to the charging socket .
is displayed briefly when the charger is connected to the phone, and when it is disconnected. The battery charge indicator will be animated while charging. It takes approximately 3 hours to fully charge the battery.

is displayed on the screen when charging is completed. If the phone is turned off when the charger is connected to the phone only the battery charge indicator will be shown on the display.

Note!
To save power the LCD backlight goes off after a while. Press any button to illuminate the display. Full battery capacity will not be reached until the battery has been charged 3–4 times. Batteries degrade over time, which means that call time and standby time will normally decrease with regular use.

Save energy
When you have fully charged the battery and disconnected the charger from the device, unplug the charger from the wall outlet.

Get to know your phone

Assistive functions

The following symbols indicate information in the manual about assistive functions for:

	Seeing		Handling
	Hearing		Safety

Turn the phone on and off

Press and hold the red button on the phone to turn it on/off. Confirm with **Yes** to power off.

If the SIM card is valid but protected with a PIN code (Personal Identification Number), **PIN** is displayed.

- Enter the PIN code and press **OK** (upper left corner of keypad). Delete with **Clear** (upper right corner of keypad).

Note!
If PIN and PUK codes were not provided with your SIM card, please contact your service provider.

Attempts: # shows the number of PIN attempts left. When no more attempts remain, **PIN blocked** is displayed. The SIM card must now be unlocked with the PUK code (Personal Unblocking Key).

1. Enter the PUK code and confirm with **OK**.
2. Enter a new PIN code and confirm with **OK**.
3. Re-enter new PIN code and confirm with **OK**.

Start-up wizard

When starting the phone for the first time, you can use the Start-up wizard to set some basic settings.

- Press **Yes** to change or **No** if you do not want to change.

Tip:
You can run the Start-up wizard later if you want, see *Start-up wizard, p.23**.*

Changing the language, time and date

The default language is determined by the SIM card. See *General, p.22* on how to change language, time and date.

Navigate the phone

Standby (idle mode)

When the phone is ready to use, and you have not keyed in any characters, the phone is in standby.

- Press to return to standby mode.
- Press left selection button to access the phone **Menu** or right selection button **Name** to access your saved contacts in the phonebook.

Tip:
You can always press to return to standby.

Scroll

- Use the arrow buttons to scroll in menus.

Open item/tick or untick option

- Use the arrow buttons to select or tick/untick the item and press **OK** (left selection button) to confirm.

Step-by-step instructions

The arrow (➔) indicates next action in step-by-step instructions. To confirm an action, press **OK**. To select an item, scroll or highlight the item using and then to press **OK**.

Example:

- Press **Menu** ➔ **Phonebook** ➔ **-New contact-** ➔ **Add**.

To perform the example on your Doro PhoneEasy® 520X you should do the following:

1. Press **Menu**, scroll to **Phonebook** and press **OK**.
2. Select **-New contact-** and press **Add**.

Entering text

Entering text manually

Select character

- Press a numerical key repeatedly until the desired character is shown. Wait a few seconds before entering the next character.

Special characters

1. Press * for a list of special characters.
2. Select the desired character with ⌣/⌒ and press **OK** to confirm.

Move the cursor within text

- Use the side keys **+/–** to move the cursor within the text.

Upper case, lower case and numerals

- Press # to choose between upper case, lower case and numerals. See *Input mode, p. 6* .

Change input language

1. Press and hold # for a list of available languages.
2. Select language with ⌣/⌒ and press **OK** to confirm.

Entering text with predictive text

In some languages you can use the Smart ABC (eZiType™) input method which uses a dictionary to suggest words. See *Predictive text, p.32* on how to activate predictive text.

Press each key **once**, even if the displayed character is not the one you want. The dictionary will suggest words based on the keys you have pressed. Example, to write the word "**Fred**":

1. Press 3, 7, 3, 3. Complete the word before looking at the suggestions.
2. Use ⌣/⌒ to view the suggested words.
3. Press **Select** and continue with the next word.
   Alternatively, press 0 to continue with the next word.

If none of the suggested words are correct, use manual input mode.

Input mode

Press **#** to change input mode. The icon on the top left of the display indicates the input mode.

☑ **Abc**	Sentence case with predictive text
☑ **ABC**	UPPER CASE with predictive text
☑ **abc**	lower case with predictive text
Abc	Sentence case
ABC	UPPER CASE
abc	lower case
123	Numerals

Display status symbols

	Signal strength		No network coverage
	Ring only		Unread message in Inbox
	Ring + vibration		Alarm active
	Vibration only		Battery level
	Silent		Call divert activated
	Roaming (in other network)		Bluetooth on, visible to others
	Missed call		Bluetooth on, invisible to others
	Headset connected		Bluetooth connected
	Voice mail message received		

Display main symbols

	Mute		Charger connected
	Message sending success		Charger removed
	Message sending failed		Headset in
	Error		Headset out
	Warning		Speaker on
	Query		Speaker off
	Done (confirmed)		Incoming call
	New message		Outgoing call
	Battery level low		Call ended

	Searching		Missed call. Press **View** to see the missed calls.
	Emergency call		Call on-hold
	vCard message		SOS calls only
	Volume control		Processing, please wait

Call functions

Make a call

1. Enter the phone number including the area code. Delete with **Clear**.
2. Press to dial. Press **Cancel** to cancel dialling.
3. Press to end the call.

Tip:
*For international calls, always use **+** before the country code for best operation. Press * twice for the international prefix **+**.*

Call from the phonebook

1. Press **Name** to open the phonebook.
2. Use / to scroll through the phonebook, or quick search by pressing the key corresponding to the first letter of the entry, see *Entering text , p. 5* .
3. Press **Call** to dial the selected entry, or press **Back** to return to standby.

Receive a call

1. Press to answer.
   Alternatively press **Silent** to switch off the ringsignal or press to reject the call directly (busy signal).
2. Press to end the call.

Tip:
*Press and hold **+/–** to temporarily switch off the ringsignal.*

Volume control

Use the side buttons **+/–** to adjust the sound volume during a call. The volume level is indicated on the display. If you use a hearing aid or have hearing difficulties when using the telephone in noisy environment, you can customize the phone's audio settings, see *Audio setup , p.25*.

Call options

During a call the selection buttons[1] ( ) give access to additional functions.

Options (left selection button)

- **Hold single call/Retrieve single** to hold/retrieve the current call.
- **End single call** to end the current call (same as).
- **New call** to call another number (Conference).
- **Phonebook** to search the phonebook.
- **Messages** to write or read text messages (SMS).
- **Mute** to disable the microphone.

SPK on (right selection button)

The loudspeaker allows you to speak without holding the phone closely to the ear.

- **SPK on** to activate and speak clearly into the phone microphone at a maximum distance of 3 feet. Use the side keys **+/–** to adjust the loudspeaker volume.
- **SPK off** to return to normal mode.

Note!
Loud background noises (music, etc.) may interfere with the sound quality.

Call waiting

An alert tone is heard if there is an incoming call while talking.

1. selection buttons have multiple functions. The current key function is shown above the selection button on the display.

To put the current call on hold and answer the incoming call:

- Press **Options** ➔ **Answer**.

Tip:
Call waiting must be activated, see Call setup, p.30.

Call information

During a call, the outgoing or incoming phone number and the elapsed call time is displayed. If the identity of the caller is withheld, **Unknown** is displayed.

Speed dial

Use **A**–**B**, **0** and **2**–**9** to speed dial an entry from standby.

- Press and hold the corresponding key. See *Speed dial, p.29*.

Silent

Silent is a fixed profile with Keypad tone, Message tone and Ringtone disabled, while Vibration, Tasks, Daily reminder and Alarm are unchanged.

- Press and hold shortcut button **#** to activate/deactivate Silent mode.

Headset

When a headset is connected, the internal microphone in the phone is automatically disconnected. If available, use the answer key on the headset to answer and end calls.

⚠ CAUTION

Using a headset at high volume may damage your hearing. Adjust the volume level carefully when using a headset.

SOS calls

As long as the phone is switched on, it is always possible to place an SOS call by entering the main local emergency number for your present location followed by .

Some networks accept calls to emergency numbers without a valid SIM card. Contact your service provider for more information.

Assistance button ✚

IMPORTANT!

Always inform recipients in the **Number list** that they are listed as your assistance contacts.

⚠ CAUTION

When an assistance call is activated the phone is pre-set to handsfree/speakerphone mode. Do not hold the device near your ear when the handsfree mode is in use, because the volume may be extremely loud.

The assistance button allows easy access to contact your predefined help numbers (Number list) should you need help. The assistance function may need to be activated before use. See *Assistance ✚, p.36* on how to activate as described or with 3 button presses, how to enter recipients in the numbers list and how to edit the text message.

- Press and hold the assistance button for 3 seconds, or press it twice within 1 second. The assistance call begins after a delay of 5 seconds. In this time you can prevent a possible false alarm by pressing .
- An assistance text message (SMS) is sent to all recipients.
- The first recipient in the list is dialled. If the call is not answered within 25 seconds, the next number is dialled. Dialling is repeated 3 times or until the call is answered, or until is pressed.
- The assistance function may be configured so that the receiver of the call must press "0" (zero) to confirm, in order to stop the alarm sequence. If there is a risk that the assistance call will be answered by a voicemail/answering service, please activate the function Confirm with "0". See *Confirm with "0", p.37*.

Note!
Some private security companies can accept automatic calls from their clients. Always contact the security company before using their phone number.

IMPORTANT!

Information to the receiver of an assistance call, when Confirm with "0" is activated:

- After receiving the assistance message, each number in the Number list will be called sequentially.
- To confirm the assistance call, the receiver needs to press **0**.
- If the receiver doesn't press **0** within 60 seconds (after answering) the call will be disconnected and the next number in the sequence will be called.
- If the receiver presses **0** within 60 seconds, the call is confirmed and no further call attempts will be made (assistance sequence interrupted).

Phonebook

The phonebook can store 300 entries with 3 phone numbers in each entry.

Add contact

1. Press **Menu** ➔ **Phonebook** ➔ **-New contact-** ➔ **Add**.
2. Enter a **Name** for the contact, see *Entering text , p. 5*. Delete with **Clear**.
3. Use ◡/⌒ to select **Mobile**, **Home** or **Office** and enter the phone number(s) including the area code.
4. Select **Picture** ➔ **Edit** to associate a picture to the contact. This picture will be displayed when the corresponding contact is calling you and may also be visible in the phonebook, see *Phonebook picture, p.25*.
   - **Take picture** to use the camera to take a picture.
   - **My pictures** to select an existing picture.
5. Press **Save**.

Tip:
*For international calls, always use **+** before the country code for best operation. Press * twice for the international prefix **+**.*

Create ICE contact (In Case of Emergency) +

With additional information and medical information, first responders can access information from the victim's phone in case of emergency. In the event of a trauma, it is critical to have this information as early as possible which can increase the chances of survival. All fields are optional, but the more information provided the better. See *ICE (In Case of Emergency) +, p.15* on how to configure your ICE information.

Manage phonebook contacts

1. Press **Menu** ➔ **Phonebook**.
2. Select a contact, then press **Options**:
   - **View** to show details for the selected contact.
   - **Edit** to edit the contact. Use ◡/◠ to scroll. Delete with **Clear**. Press **Save** when done.
   - **Add** to add contact. See *Add contact, p.12*.
   - **Call** to call the contact.
   - **Top 10** to set the entry as one of the first 10 contacts listed in the phonebook. See *Top 10 , p.29*.
   - **Send SMS** to create text message (SMS). See *Create and send text messages (SMS), p.16*.
   - **Send MMS** to create picture message (MMS), see *Create and send picture message (MMS), p.16*.
   - **Delete** to delete the selected contact. Press **Yes** to confirm or **No** to abort.
   - **Delete all** ➔ **From SIM/From phone** to delete all phonebook contacts from the SIM card or phone memory. Enter the phone code and press **OK** to confirm. The default phone code is **1234**.
   - **Copy all** ➔ **From SIM** to copy all phonebook contacts from the SIM card to the phone memory. Press **Yes** to confirm or **No** to abort.

- **Copy all** ➔ **From phone** to copy all phonebook entries from the phone memory to the SIM card. Press **Yes** to confirm or **No** to abort.
- **Send vCard** ➔ **Send by SMS** to send the selected phonebook contact as a vCard via text message (SMS). Enter the phone number of the recipient.
  Alternatively use ⌣/⌒ to scroll through the phonebook, or quick search by pressing the key corresponding to the first letter of the entry, see *Entering text ☜, p. 5* . Press **OK** to send.
- **Send vCard** ➔ **Send by MMS** to send the selected phonebook contact as a vCard via picture message (MMS). Write your message and press **Options** to **Add subject** or **Add picture**. Add recipients with **To** and **Send** when ready.
- **Send vCard** ➔ **Send by Bluetooth** to send the selected phonebook contact as a vCard via Bluetooth®. See *Bluetooth®, p.38*.

3. Press **OK** to confirm.

ICE (In Case of Emergency)

First responders can access additional information such as medical information from the victim's phone ICE in case of emergency. In the event of a trauma, it is critical to have this information as early as possible to increase the chances of survival. All fields are optional, but the more information provided the better.

1. Press **Menu** ➔ **ICE**.
2. Use ⌣/⌒ to scroll the list of entries.
3. Press **Edit** to add or edit information in each entry, see *Entering text* ☞, *p. 5* . Delete with **Clear**.

ID

- **Name:** enter your name.
- **Birth:** enter your date of birth.
- **Height:** enter your height.
- **Weight:** enter your weight.
- **Address** enter your home address.
- **Language:** enter your preferred language.
- **Insurance:** enter your insurance provider and policy number.

Contact 1:, **Contact 2:** and **Doctor:**

- Press **Options** to **Add** or **Delete** a contact from the phonebook, or **Save** to accept the current entry.
  If possible, add your relationship to your ICE contacts in the phonebook, such as “ICE Wife Mary Smith”.

Important info.

- **Condition:** enter any medical conditions/medical devices (e.g. diabetic, pacemaker).
- **Allergies:** enter any known allergies (e.g. penicillin, bee stings).
- **Blood type:** enter your blood type.
- **Vaccination:** enter any relevant vaccination.
- **Medication:** enter any medication that you are treated with.

- **Other info:** enter other information (e.g. organ donor, living will, consent to treat).

4. Press **Save** when done.

Messages

You can create and send text messages (SMS), picture messages (MMS) and voice messages using the Messages menu.

Create and send text messages (SMS)

Note!

Before you can send any text messages (SMS), you need to save your message centre number. The number to your service centre is supplied by your service provider and is usually set on the SIM card. If not, you can enter the number yourself. See Profile set, p.33.

1. Press shortcut button .
   Alternatively press **Menu** ➔ **Messages**.
2. Select **Create new** ➔ **SMS**.
3. Write your message, see *Entering text , p. 5* , then press **To**.
4. Select a recipient from **Phonebook**.
   Alternatively, select **Enter number** to add recipient manually and press **Done**.
5. Press **Add** to add more recipients.
   You can modify the recipients by selecting one, press **Options** ➔ **Edit/Delete/Delete all**.
6. Press **Send** to send.

Note!

*If you choose to add multiple recipients, you will be charged for each recipient (maximum 10). For international calls, always use **+** before the country code for best operation. Press * twice for the international prefix **+**.*

Create and send picture message (MMS)

A picture message (MMS) can contain text and media objects such as pictures, sound recordings and video. Both you and the recipient must have subscriptions that support picture message (MMS). The settings for picture message (MMS) are supplied by your service provider and

can be sent to you automatically via text message (SMS). If not, see *MMS settings, p.34* on how to set your MMS profile.

1. Press shortcut button ✉.
   Alternatively press **Menu** ➔ **Messages**.
2. Select **Create new** ➔ **MMS**.
3. Write your message, see *Entering text, p. 5* .
4. Press **Options** ➔ **Add picture**:
   - **My pictures** to select a file. The picture size must be less than 600kB.
   - **Take picture** to use the camera to take a picture.

   You can also **Add sound** using the **Options** menu.
5. Select **Add subject** and enter your subject, then press **Done**.
6. Select **To** and select recipient from **Phonebook**.
   Alternatively, select **Enter number** to add recipient manually and press **Done**.
7. Press **Add** to add more recipients.
8. Press **Send** to send.

Create and send a voice message

A voice message uses the same technology as a picture message (MMS). Both you and the recipient must have subscriptions that support picture message (MMS). The settings for picture message (MMS) are supplied by your service provider and can be sent to you automatically via text message (SMS). If not, see *MMS settings, p.34* on how to set your MMS profile.

1. Press shortcut button ✉.
   Alternatively press **Menu** ➔ **Messages**.
2. Select **Create new** ➔ **Voice message**.
3. Recording starts immediately. Press **Stop** when done and press **Yes** to save.
4. Select recipient from **Phonebook**.
   Alternatively, select **Enter number** to add recipient manually and press **Done**.
5. Press **Add** to add more recipients
6. Press **Send** to send.

Inbox, Outbox and Sent

Text message (SMS)/Picture message (MMS) unread	Text message (SMS)/Picture message (MMS) sent
Text message (SMS)/Picture message (MMS) read	Text message (SMS)/Picture message (MMS) unsent

1. Press **Menu** ➔ **Messages**.
2. Select **Inbox**, **Outbox** or **Sent**.
3. Select a message and press **View**. Use ⌣/⌢ to scroll up/down.
4. Press **Options**:
   - **View** (MMS only) to view the message.
   - **Call** to call the contact.
   - **Resend** to send again to the same receiver.
   - **Reply** to write your reply, then press **Send**. The message is sent immediately.
   - **Delete** to delete. Press **Yes** to delete or **No** to return.
   - **Download/Cancel download**. If the message is not downloaded yet, press **Download**.
   - **Edit** to edit the message, then press **Send**.
   - **Forward** to forward the message. Edit the message (if desired), then press **Send**.
   - to displays all phone numbers contained in the message as well as the sender's number.
   - **Use number** ➔ **Call** to all the selected number.
   - **Use number** ➔ **Save** to save the number in the phonebook.
   - **Use number** ➔ **Send SMS** to write a new text message (SMS).
   - **Use number** ➔ **Send MMS** to write a new picture message (MMS).
   - **Save objects** (MMS only) to save text and media objects such as pictures, sound recordings and video.
   - **Details** (MMS only) to view details of the message.

5. Press **OK** to confirm.

Call log

Received, missed and dialled calls are saved in a combined call log. 20 calls of each type can be stored in the log. For multiple calls related to the same number, only the most recent call is saved.

Retrieve and dial

1. Press .
   Alternatively, press **Menu** ➔ **Call log**.
2. Use / to select:
   - Received call
   - Dialed call
   - Missed call
3. Press **Options**:
   - **View** to show details for the selected call.
   - **Delete** to delete the call.
   - **Delete all** to delete all calls in the call log.
   - **Save** to save the number in the phonebook.
     Create new creates new contact in the Phonebook.
     Update update an existing contact in the Phonebook.
4. Press **OK** to confirm.
5. Press to dial.

Camera

You can take photos using the Camera menu.

To get sharp photos, wipe the lens clean with a dry cloth.

1. Press shortcut button .
   Alternatively press **Menu** ➔ **Camera** ➔ **Camera**.
2. Press to take photo.
3. Press **Options**:
   - **Send** ➔ **Send by MMS** to send as picture message (MMS).
     See *Create and send picture message (MMS), p.16*.

- **Send** ➔ **Send by Bluetooth** to send to a Bluetooth device, see *Bluetooth®, p.38*.
- **Delete** to delete. Press **Yes** to confirm or **No** to return.
- **Use** ➔ **Wallpaper** to save as display background.
- **Use** ➔ **Phonebook picture** to save as phonebook contact.

4. Press **Back** to take a new photo.
   If you do not make any selection the picture is saved.

Camera adjustments

- Use ◡/⌒ to zoom in and out.
- Use the side buttons **+/–** to adjust EV/Light sensitivity.

Note!
Zoom may reduce image quality.

For more camera settings, see *Camera, p.35*.

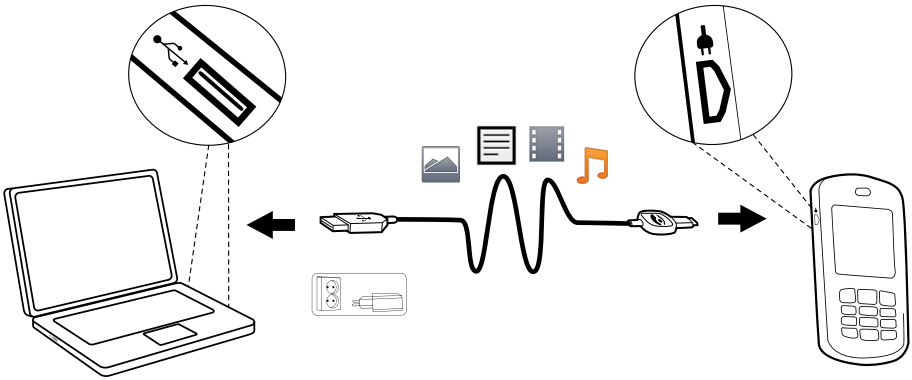
Image viewer

View your saved images in the Image viewer.

1. Press **Menu** ➔ **Image viewer**.
2. Select an image. Use ◡/⌒ to scroll up/down.
3. Press **Options**:
   - **View** to view the image.
   - **Send** ➔ **Send by MMS** to send as picture message (MMS) (*Create and send picture message (MMS), p.16*)/**Send by Bluetooth** to send to a Bluetooth device (*Bluetooth®, p.38*).
   - **Delete** to delete the file.
   - **Use** (picture only) ➔ **Wallpaper** to save as display background.
   - **Use** (picture only) ➔ **Phonebook picture** to save as phonebook contact.
   - **Details** to view detailed information about the file, e.g. date, size, copyright.
   - **Rename** to rename the file.
   - **Browse style** to change view. Select **List**, **Medium** or **Large**.

- **Sort by** to sort pictures and videos by **Name** or **Time**.
- **Storage** to save pictures and videos on **Phone** or **Memory card**.
- **Delete all** to delete all saved pictures and videos.

Connecting the phone to a computer



Connect the phone to a computer and start transferring pictures, music and other file types. All you have to do is connect a USB cable between the phone and computer. From your computer's file explorer, you can drag and drop content between your phone and the computer.

Note!
You might not be able to transfer some copyright-protected material.

Drag and drop content between phone and a computer

1. Connect your phone to a computer using a USB cable.
2. Wait until the phone/memory card appears as external disks in the file explorer.
3. Drag and drop selected files between the phone and the computer.

Note!
When the phone/memory card is mounted to the computer, the phone cannot access the memory card. Some functionality and applications in the phone, such as the camera, may not be accessible.
You can transfer files by using a USB cable on most devices and operating systems supporting a USB Mass Storage interface.

Disconnect the USB cable safely

1. Make sure to enable the hardware to be safely removed.

2. Disconnect the USB cable.

Note!
Do not disconnect the USB cable when transferring content as this may corrupt the content.
Computer instructions may vary depending on your operating system. See the documentation of your computer's operating system for more information.

Settings

Use the Settings menu to personalise your Doro PhoneEasy® 520X.

General

Time & date

Set the time and date

1. Press **Menu** ➔ **Settings** ➔ **General**.
2. Select **Time & date**:
   - **Set time** to enter the time (**HH:MM**).
   - **Set date** to enter the date (**DD/MM/YYYY**).
3. Press **OK** to confirm.

Set the time/date format

1. Press **Menu** ➔ **Settings** ➔ **General** ➔ **Time & date**.
2. Select **Set format**:
   - Select **Time format** ➔ **12 hours/24 hours**.
   - Select **Date format** and select the desired date format.
3. Press **OK** to confirm.

Set auto time

To set the phone to automatically update the time and date according to the current time zone, select **On**. Automatic update of date and time does not change the time you have set for the alarm clock or the calendar. They are in local time. Updating may cause some alarms you have set to expire depending on network support and subscription.

1. Press **Menu** ➔ **Settings** ➔ **General** ➔ **Time & date**.
2. Select ➔ **Auto time** ➔ **On/Off** to enable/disable.
3. Press **OK** to confirm.

Language
The default language for the phone menus, messages etc. is determined by the SIM card. You can change this to any other language supported by the phone.

1. Press **Menu** ➔ **Settings** ➔ **General** ➔ **Language**.
2. Use ◡/◠ to select a language.
3. Press **OK** to confirm.

Start-up wizard
Use the Start-up wizard to set some basic settings.

1. Press **Menu** ➔ **Settings** ➔ **General** ➔ **Start-up wizard**.
2. Press **Yes** to change or **No** if you don't want to change.

Owner number
The phone numbers assigned to your SIM card are saved in **Owner number** if this is allowed by the card.

To view/edit or the numbers:

- Press **Menu** ➔ **Settings** ➔ **General** ➔ **OK**.

Block function
You can disable functions to simplify the use of the phone.

1. Press **Menu** ➔ **Settings** ➔ **General** ➔ **Block function**.
2. Select each function you want to disable and press **Off**.
3. Press **Done** to confirm.

Network setup
Your phone automatically selects your (service providers) home network if this is within range. If not within range, you may use another network, provided your network operator has an agreement that allows you to do so. This is called roaming. Contact your service provider for more information.

1. Press **Menu** ➔ **Settings** ➔ **General** ➔ **Network setup**.
2. Select **Select network**:
    - **New search** to perform new search if connection is lost.

- **Select network** to view available network, a list of available network operators is displayed (after a short delay). Select desired operator.
- **Network mode** to select another network. Select Automatic to select network automatically or Manual to select network manually. Use Select network to select desired operator.

3. Press **OK** to confirm.

Service selection
Select the type of service for your phone.

- GSM service only
- 3G service only
- Automatic switch between GSM and 3G for best service.

IMPORTANT!
If you set your phone to use GSM only or 3G only, you will not be able to make any calls, including emergency calls, or use other features requiring a network connection, if the selected network is unavailable.

Network information
View your current network settings.

Services

This menu may contain pre-programmed services from your network provider depending on network support and subscription.

- Press **Menu** ➔ **Settings** ➔ **General** ➔ **Services**.

Flashlight

Set the automatic switch off time for the built in flashlight. See *Flashlight, p.48*.

1. Press **Menu** ➔ **Settings** ➔ **General**.
2. Select **Flashlight**:
   - **1 min** to turn off automatically after 1 min.
   - **2 min** to turn off automatically after 2 min.
   - **No limit** to turn of manually.
3. Press **OK** to confirm.

Note!
The flashlight will drain the battery very quickly. Remember to turn it off after use.

Phonebook storage

1. Press **Menu** ➔ **Settings** ➔ **General**.
2. Select **Phonebook storage**:
   - **SIM** to save 1 phone number per contact. Number and length of the phone numbers/contacts that can be stored will vary depending on SIM card/service provider preferences.
   - **Phone** to save 300 contacts with 3 phone numbers each **Mobile**, **Home** or **Office**.
3. Press **OK** to confirm.

Phonebook picture

You can change the phonebook view mode.

1. Press **Menu** ➔ **Settings** ➔ **General**.
2. Select **Phonebook picture**:
   - **On** to see the contacts associate picture.
   - **Off** to display only the names of contacts.
3. Press **OK** to confirm.

Sound

Note!
Silent *needs to be set to* ***Off*** *to access Tone setup, Volume, Alert type and Extra tone. See* *Silent, p.26**.*

Audio setup

If you use a hearing aid or have hearing difficulties when using the telephone in a noisy environment, you can customise the phone's audio settings.

1. Press **Menu** ➔ **Settings** ➔ **Sound**.
2. Select **Audio setup**:
   - **Normal** for normal hearing in normal conditions.

- **Medium** for mild hearing impairment or use in noisy environment.
- **High** for moderate hearing impairment or use in a very noisy environment.
- **HAC mode** for use with hearing aid in the T position.

3. Press **OK** to confirm.

Tone setup

1. Press **Menu** ➔ **Settings** ➔ **Sound**.
2. Select **Tone setup** ➔ **Ringtone**.
3. Use ⌣/⌒ to select one of the available melodies, the melody will be played.
4. Press **OK** to confirm or **Back** to discard changes.
5. Set up the **Alarm**, **Message tone**, **Keypad tone**, **Power on** and **Power off** in the same way.

Ringtone volume

1. Press **Menu** ➔ **Settings** ➔ **Sound** ➔ **Volume**.
2. Use ⌣/⌒ to change the ringtone volume.
3. Press **OK** to confirm.

Silent

1. Press **Menu** ➔ **Settings** ➔ **Sound**.
2. Select **Silent** ➔ **On/Off** to enable/disable.
3. Press **OK** to confirm.

Tip:

Press and hold shortcut button **#** *to activate/deactivate Silent mode.*

Alert type

Incoming calls can be signalled by a ringtone and/or vibration.

1. Press **Menu** ➔ **Settings** ➔ **Sound**.
2. Select **Alert type**:
   - **Ring only** for ringtone only.
   - **Vib. only** for vibration only.
   - **Vib. and ring** for vibration and ringtone.

- **Vib. then ring** to start with vibration and adds ringtone after a short while.
- **Silent** for no sound or vibration, the display light is lit.

3. Press **OK** to confirm.

Extra tone

Warning and error tones are used to alert you of low battery power, phone and SIM card errors etc.

1. Press **Menu** ➔ **Settings** ➔ **Sound** ➔ **Extra tone**.
2. Select **Warning** ➔ **On/Off** to enable/disable.
3. Select **Error** ➔ **On/Off** to enable/disable.
4. Press **Done** to save.

Display

Wallpaper

You can select different display backgrounds.

1. Press **Menu** ➔ **Settings** ➔ **Display** ➔ **Wallpaper**.
2. Use ⌣/⌒ to display available wallpapers.
3. Press **OK** to confirm.

Text size 👁

You can customise the text size for messages and the phonebook.

1. Press **Menu** ➔ **Settings** ➔ **Display**.
2. Select **Text size** ➔ **Normal/Large**.
3. Press **OK** to confirm.

Idle display

In standby mode the display can show clock only, clock and the service provider, or all information.

1. Press **Menu** ➔ **Settings** ➔ **Display**.
2. Select **Idle display** ➔ **Clock only/Clock & Operator/All info**.
3. Press **OK** to confirm.

Themes 👁

You can select different themes to personalise the phones texts and background.

1. Press **Menu** ➔ **Settings** ➔ **Display** ➔ **Themes**.
2. Use ⌣/⌒ to select a theme.
3. Press **OK** to confirm.

LCD backlight

Select the delay time for the display backlight.

1. Press **Menu** ➔ **Settings** ➔ **Display**.
2. Select **LCD backlight**:
   - **15 sec.**
   - **30 sec.**
   - **1 min**
3. Press **OK** to confirm.

Brightness

You can customise the phones brightness settings.

1. Press **Menu** ➔ **Settings** ➔ **Display** ➔ **Brightness**.
2. Select **Level 1**–**Level 3**.
3. Press **OK** to confirm.

Calls

Voice mail

If your subscription includes an answering service, callers can leave a voice mail message when you cannot answer a call. **Voice mail** is a network service and you may need to subscribe to it first. For more information and for the voice mail number, contact your service provider.

1. Press **Menu** ➔ **Settings** ➔ **Calls** ➔ **Voice mail**.
2. Select **Empty** ➔ **Add**.
3. Select **Phonebook** to add a contact from the Phonebook. Alternatively, select **Manual**. See *Phonebook, p.12*.
4. Press **OK** to confirm.

To edit or delete an existing entry, select it and press **Options** ➔ **Edit/Delete**.

Call voice mail

1. Press **Menu** ➔ **Settings** ➔ **Calls** ➔ **Voice mail**.

2. Press **Options** ➔ **Call voice mail**.
3. Press **OK** to confirm.

Tip:

Press and hold shortcut button **1** *to call your voice mail.*
If activated reminder in the Messages settings, a reminder signal will be heard after 10 minutes if not listening to new voice mail messages.

Speed dial

A, **B**, **0** and **2**–**9** can be used for speed dialling. To speed dial an entry from standby, press and hold corresponding button.

1. Press **Menu** ➔ **Settings** ➔ **Calls** ➔ **Speed dial**.
2. Select **A** ➔ **Add** and select an entry from the phonebook.
3. Press **OK** to confirm.
4. Repeat to add speed dial entries for buttons **B**, **0**, **2**–**9**.

To change contact, select an existing entry and press **Options** ➔ **Edit/Delete**.

You can edit the contact information for the dedicated speed dial buttons **A** and **B**.

1. Press corresponding button. Use ◡/◠ to highlight the name or the number, then press **Edit**.
2. Press **OK** to confirm. Delete with **Clear**.

Top 10

Set the entry as one of the first ★ 10 contacts listed in the phonebook.

1. Press **Menu** ➔ **Settings** ➔ **Calls** ➔ **Top 10**.
2. Select one of the empty entries and press **Add**.
3. Use ◡/◠ to scroll through the phonebook, or quick search by pressing the key corresponding to the first letter of the entry.
4. Press **OK** to save the selected entry, or press **Back** to discard changes.

To delete a top 10 entry, select the entry in the top 10 list and press **Options** ➔ **Delete**.

Tip:

You can also add ☆ entry from the phonebook. Select the contact and press ***Options*** ➔ ***Top 10****.*

Call time

During a call, the duration of the call is shown. You can check the duration of your calls.

1. Press **Menu** ➔ **Settings** ➔ **Calls**.
2. Select **Call time**:
   - **Last call** to show the elapsed time of the most recent call.
   - **Outgoing calls** to show the elapsed time of all dialled calls.
   - **Received calls** to show the elapsed time of all received calls.
   - **Reset all** ➔ **Yes** to reset all.
3. Press **OK** to confirm.

Answer mode

1. Press **Menu** ➔ **Settings** ➔ **Calls**.
2. Select **Answer mode**:
   - **Open to answer** ➔ **On** to answer incoming calls by opening the flip.
   - **Any key** ➔ **On** to be able to answer incoming calls by pressing any button (exemption).
3. Press **OK** to confirm.

Call setup

This menu may vary depending on network support and subscription. Contact your service provider for more information.

Caller ID

Display or hide your phone number on the recipient's phone when you call.

1. Press **Menu** ➔ **Settings** ➔ **Calls** ➔ **Call setup**.
2. Select **Caller ID**:
   - **Set by network** to use default setting by the network.
   - **Hide ID** to never show your number.

- **Send ID** to always show your number

3. Press **OK** to confirm.

Call waiting

You can handle more than one call at a time. An alert tone will be heard if there is an incoming call while talking. To put the current call on hold and answer the incoming call, press **Options** ➔ **Answer**.

1. Press **Menu** ➔ **Settings** ➔ **Calls** ➔ **Call setup**.
2. Select **Call waiting**:
   - **Activate** to enables call waiting.
   - **Deactivate** to disables call waiting.
   - **Query status** to displays if call waiting is active or not.
3. Press **OK** to confirm.

Call forward

You can divert calls to an answering service, or to another phone number. Set up which calls should be diverted. Select a condition and press **OK**, then select **Activate**, **Deactivate** or **Query status** (see *Call waiting, p.31*) for each.

1. Press **Menu** ➔ **Settings** ➔ **Calls** ➔ **Call setup**.
2. Select **Call forward**:
   - **Voice calls** to divert all voice calls.
   - **Unreachable** to divert incoming calls if the phone is turned off or out of range.
   - **No reply** to divert incoming calls if unanswered.
   - **If busy** to divert incoming calls if the line is busy.
   - **Cancel all** no divert calls.
3. Press **OK** to confirm.

Call barring

Your phone can be restricted to disallow certain types of calls.

Note!

A password is needed to apply Call barring. Contact your service provider to get the password.

1. Press **Menu** ➔ **Settings** ➔ **Calls**.

2. Select **Call setup** ➔ **Call barring**.
3. Select **Outgoing calls**:
   - **All calls** to answer incoming calls but not dial out.
   - **Internat.calls** unable to call international numbers.
   - **Int. except home** unable to call international numbers except to the country associated with the SIM card.
4. Press **OK** to confirm.
5. Select **Incoming calls**:
   - **All calls** to dial out but not receive incoming calls.
   - **When roaming** unable to receive incoming calls while roaming (operating in other networks).
   - **Cancel all** to cancel all call barring (password needed).
6. Press **OK** to confirm.

Messages

Predictive text

1. Press **Menu** ➔ **Settings** ➔ **Messages** ➔ **Predictive text**.
2. Select **On** to enable Predictive text/eZiType™, see *Entering text , p. 5* .
3. Press **OK** to confirm.

Writing language

1. Press **Menu** ➔ **Settings** ➔ **Messages** ➔ **Writing language**.
2. Use ◡/◠ to select a language.
3. Press **OK** to confirm.

Write speed

You can change the speed at which keypad characters repeat (before the cursor moves onto the next character).

1. Press **Menu** ➔ **Settings** ➔ **Messages** ➔ **Write speed**.
2. Select **Fast**, **Normal** or **Slow**.
3. Press **OK** to confirm.

SMS settings

Memory status

1. Press **Menu** ➔ **Settings** ➔ **Messages** ➔ **SMS settings**.

2. Select **Memory status** to display the percentage of memory space used on the SIM card and in the phone memory. Phone memory can store up to 200 messages.
3. Press **Back** to return.

Storage

1. Press **Menu** ➔ **Settings** ➔ **Messages** ➔ **SMS settings**.
2. Select **Storage**:
   - **SIM** (default) to store messages on the SIM card.
   - **Phone** to store messages in the phone memory.
3. Press **OK** to confirm.

Profile set

The Profile set number is needed to use the message function. The number to your service centre is supplied by your service provider and is usually set on the SIM card. If the service centre number is saved on the SIM card it is shown. If not, you can enter the number yourself. Contact your service provider for more information.

1. Press **Menu** ➔ **Settings** ➔ **Messages** ➔ **SMS settings**.
2. Select **Profile set** ➔ **Edit**.
3. Enter the service centre number. Press **Clear** to delete.
4. Press **OK** to confirm.

Cell broadcast

You can receive messages on various topics from your service provider, such as weather or traffic conditions in a particular region. For available channels and relevant channel settings, contact your service provider. Cell broadcast messages cannot be received when the device is roaming.

1. Press **Menu** ➔ **Settings** ➔ **Messages** ➔ **SMS settings**.
2. Select **Cell broadcast**:
   - **Function on/off** to turn information **On**/**Off**.
   - **View messages** to read the message.
   - **Languages** to select language **On**/**Off**.
   - **Channel settings** to select from which channels to receive/subscribe messages. Use the options **Subscribe**,

Cancel subscription, **Add**, **Edit** and **Delete** to define your channels.

3. Press **OK** to confirm.

MMS settings

Memory status

1. Press **Menu** ➔ **Settings** ➔ **Messages** ➔ **MMS settings**.
2. Select **Memory status** to displays the percentage of memory space used in the phone memory.
3. Press **Back** to return.

Storage

Picture messages (MMS) are saved by default in the phone memory. When the memory becomes full you will need to either delete a picture message (see *Inbox, Outbox and Sent, p.18*) or select to save your picture messages on the memory card. When the memory is full you will see a message when you try to send or receive a picture message.

Note!

Make sure to insert a compatible memory card before saving on it (see Install the SIM card, memory card and the battery, p. 1).

1. Press **Menu** ➔ **Settings** ➔ **Messages** ➔ **MMS settings**.
2. Select **Storage**:
   - **Memory card** (memory card only appears if you have inserted a card) to store picture messages on the memory card.
   - **Phone** to store in the phone memory.
3. Press **OK** to confirm.

Reminder

The text message (SMS) reminder alerts you once if you haven't checked your text message or listened to your voice mail within 10 minutes from receipt. If the notification envelope is removed by pressing , no reminder will be heard.

1. Press **Menu** ➔ **Settings** ➔ **Messages** ➔ **Reminder**.
2. Select **On**/**Off** to enable/disable.
3. Press **OK** to confirm.

Vibration

The text message (SMS) vibration alert is several short vibrations that continues for **Short** (4 seconds) or **Long** (12 seconds).

1. Press **Menu** ➔ **Settings** ➔ **Messages**.
2. Select **Vibration**:
   - **Short** (4 seconds)
   - **Long** (12 seconds)
3. Press **OK** to confirm.

Note!
*If **Alert type** is set to **Ring only** the phone will not vibrate.*

Delivery report

You can select if you want the phone to notify you when your text message (SMS) or picture message (MMS) has reached the receiver.

1. Press **Menu** ➔ **Settings** ➔ **Messages**.
2. Select **Delivery report** ➔ **On/Off** to enable/disable.
3. Press **OK** to confirm.

Note!
*If you choose **Delivery report=On**, some operators will charge you for that message.*

Delete

1. Press **Menu** ➔ **Settings** ➔ **Messages**.
2. Select **Inbox/Outbox/Sent/Delete all** ➔ **Yes** to delete all messages.

Camera

1. Press **Menu** ➔ **Settings** ➔ **Camera**:
   - **EV information**: EV/Light sensitivity can be adjusted by pushing volume keys up & down when in camera mode.
   - **Flash** to set as **Auto**, **Off**, **On** or **Red-eye reduction**.
   - **Image size** to set as **Wallpaper** (lowest quality), **1 MP**, **2 MP** or **3 MP** (highest quality).
   - **Shutter sound** ➔ **Low** or **High**.
2. Press **OK** to confirm.

Note!
With higher quality, less pictures can be stored in the internal memory.

Assistance +

Change settings for the assistance button function.

Activation

Select how to activate the assistance function using the assistance button.

1. Press **Menu** ➔ **Settings** ➔ **Assistance**.
2. Select **Activation**:
   - **On Normal** to activate by pressing and holding the button for approximately 3 seconds, or press it twice within 1 second.
   - **On (3)** to activate by pressing the button 3 times within 1 second.
   - **Off** to disable the assistance button.
3. Press **OK** to confirm.

Number list

Select numbers to the list that will be called when the assistance button is pressed.

1. Press **Menu** ➔ **Settings** ➔ **Assistance** ➔ **Number list**.
2. Select **Empty** ➔ **Add**.
3. Select **Phonebook** to add a contact from the phonebook. Alternatively, press **Manual** to add names/numbers manually. See *Phonebook, p.12* .
4. Press **OK** to confirm.
5. Repeat until you have 5 contacts (maximum).

To edit or delete an existing entry, select it and press **Options** ➔ **Edit/Delete**.

SMS

A text message (SMS) can be sent to the contacts in the numbers list when the assistance button is pressed.

Activation

1. Press **Menu** ➔ **Settings** ➔ **Assistance** ➔ **SMS**.
2. Select **Activation**:
   - **On** the phone sends a text message before dialling.
   - **Off** the phone dials without sending a text message first.
3. Press **OK** to confirm.

Message

1. Press **Menu** ➔ **Settings** ➔ **Assistance** ➔ **SMS**.
2. Select **Message** ➔ **Edit** to write the message.
3. Press **OK** to confirm.

Note!
*You **must** write a message if you activate the SMS function.*

Confirm with "0"

When the assistance function is activated the phone dials the first number on the list. If the call is not answered within 25 seconds, the next number is dialled. Dialling is repeated 3 times or until the call is answered, or until is pressed by the user.

You can enable the Confirm with "0" function. If the receiver doesn't press **0** within 60 seconds the call will be disconnected and the next number in the sequence will be called. If the receiver presses **0** within 60 seconds, the call is confirmed and no further call attempts will be made (assistance sequence interrupted). To enable set the function as **On**.

Signal type

Select the notification signal type for the assistance sequence.

1. Press **Menu** ➔ **Settings** ➔ **Assistance**.
2. Select **Signal type**:
   - **High** to use loud signals (default).
   - **Low** to use one low signal.
   - **Silent** no sound indication, like a normal call.
3. Press **OK** to confirm.

Alarm info

Please read the important safety information before enabling the assistance function:

1. Press **Menu** ➔ **Settings** ➔ **Assistance** ➔ **Alarm info**:
   - ***Be careful about including numbers with automatic answering in the call list, as the alarm sequence stops once the call is answered.***
2. Press **Back** to return.

Note!
*This information is not applicable if **Confirm with "0"** is set to **On**.*

Bluetooth®

IMPORTANT!

When you are not using Bluetooth connectivity, select **Function on/off**/**Off** or **Visibility**/**Off**. Do not pair with an unknown device.

Function on/off

1. Press **Menu** ➔ **Settings** ➔ **Bluetooth**.
2. Select **Function on/off** ➔ **On**/**Off** to enable/disable Bluetooth.
3. Press **OK** to confirm.

Visibility

1. Press **Menu** ➔ **Settings** ➔ **Bluetooth**.
2. Select **Visibility** ➔ **On**/**Off** to make your phone visible/invisible to other devices.
3. Press **OK** to confirm.

Note!
*To prevent other devices from finding your device, select **Off**. Even if you select **Off**, paired devices can still detect your device.*

Device name

1. Press **Menu** ➔ **Settings** ➔ **Bluetooth** ➔ **Device name**.
2. Enter the name your phone should appear with for other Bluetooth devices.
3. Press **OK** to confirm.

Search device

Search for available Bluetooth audio devices. If Bluetooth is not enabled you can enable it by pressing **Yes**.

1. Press **Menu** ➔ **Settings** ➔ **Bluetooth** ➔ **Search device**.
2. Select from the list of devices and press **Bond** to connect.
3. When connecting to another Bluetooth device you need a shared password. Enter the password and press **OK**.

My device

Add new devices or view saved.

1. Press **Menu** ➔ **Settings** ➔ **Bluetooth** ➔ **My device**.
2. Select device from the list and press **Options**:
   - **Connect/Disconnect** to connect/disconnect with the selected device. This may require a profile, usually a headset.
   - **Set default** to set the connected device as default.
   - **Rename** to change the name of the device.
   - **Delete** to delete the device from the list.
   - **Delete all** to delete all devices from the list.
3. Press **OK** to confirm.

Audio path

1. Press **Menu** ➔ **Settings** ➔ **Bluetooth**.
2. Select **Audio path**:
   - **Phone** to answer incoming calls with the phone
   - **Forward BT** to forward incoming calls to the Bluetooth device.
3. Press **OK** to confirm.

Security

SIM lock

The SIM card is protected with a PIN code (Personal Identification Number). The phone can be set to ask for the PIN code on startup.

1. Press **Menu** ➔ **Settings** ➔ **Security**.
2. Select **SIM lock**:
   - **On** to activate PIN code, you need to enter the PIN code every time the phone is started.
   - **Off** to deactivate PIN code. Warning, if SIM card is lost/stolen it is unprotected.
   - **Automatic** to not enter the PIN code when the phone is started, the phone remembers it automatically. If the SIM card is moved to another phone (lost/stolen), the PIN code needs to be entered to unlock.
3. Press **OK** to confirm.

Note!
You need to enter the current PIN code to disable/enable SIM lock.

Phone lock

1. Press **Menu** ➔ **Settings** ➔ **Security** ➔ **Phone lock**.
2. Select **On**/**Off** to enable/disable.
3. Press **OK** to confirm.

Note!
*You need to input the current phone code to disable/enable Phone lock. The default phone code is **1234**.*

Keypad lock

Auto keylock

Select the time delay for automatic keypad locking.

1. Press **Menu** ➔ **Settings** ➔ **Security** ➔ **Keypad lock** ➔ **Auto keylock**.
   - Select **10 sec.**, **30 sec.**, **1 min**, **5 min** or **Off**.
2. Press **OK** to confirm.

Unlock mode
Select how to lock/unlock the keypad.

1. Press **Menu** ➔ **Settings** ➔ **Security** ➔ **Keypad lock** ➔ **Unlock mode**.
   - **Single key** to unlock the keypad with ✱.
   - **Dual key** to lock with right selection button **Name** and ✱. Unlock with right selection button **Unlock** and ✱.
2. Press **OK** to confirm.

Remote configuration

Allow persons that you trust, usually a family member or friend, to send information to your Doro PhoneEasy® 520X. You can receive phonebook contacts and contacts for speed dial keys, calendar tasks and settings for the assistance button. When activated, you don't have to do anything, it's the other person that sends information to you.

Activation
1. Press **Menu** ➔ **Settings** ➔ **Security**.
2. Select **Remote config** ➔ **Activation**.
3. Select **On**/**Off** to enable/disable.
4. Press **OK** to confirm.

Number list
You need to add the name and number of the people who are allowed to send information from their phone to your Doro PhoneEasy® 520X.

1. Press **Menu** ➔ **Settings** ➔ **Security** ➔ **Remote config**.
2. Select **Number list** ➔ **Empty** ➔ **Add**.
3. Select **Phonebook** to add a contact from it. Alternatively, press **Manual**.
4. Press ⌣.
5. Enter the number and press **OK** to confirm.
6. Repeat until you have 5 contacts (maximum).

To edit or delete an existing entry, select it and press **Options** ➔ **View**/**Edit**/**Delete**.

Fixed dial (FDN)

You can limit calls to certain numbers saved on the SIM card. The list of allowed numbers is protected by your PIN2-code.

1. Press **Menu** ➔ **Settings** ➔ **Security**.
2. Select **Fixed dial**:
   - **Mode** ➔ **On/Off** to enable/disable.
   - **Fixed numbers** ➔ **Add** and enter the first allowed number. Alternatively, select an entry and press **Options** ➔ **Add/Edit/Delete**.
3. If needed, enter PIN2 and press **OK** to confirm.

Note!

You can save parts of phone numbers. For example, if you save 01234, allows calls to all numbers starting with 01234. It is possible to place an SOS call by entering the main local emergency number followed by ⌐ *even when fixed dial is activated. When fixed dial is activated you are not allowed to view or manage any phone numbers saved on the SIM card. You are not able to send any text messages (SMS) either.*

Passwords (change your passwords)

To change the **PIN**, **PIN2** or the **Phone code** passwords:

1. Press **Menu** ➔ **Settings** ➔ **Security** ➔ **Passwords**.
2. Enter the current code and confirm with **OK**.
3. Enter a new code and confirm with **OK**.
4. Enter the new code again and confirm with **OK**.

Master reset

1. Press **Menu** ➔ **Settings** ➔ **Security**.
2. Select **Master reset** to reset the phone settings. All the changes that you have made to the phone settings will be reset to default settings.
3. Enter the phone password and press **OK** to reset.

Master clear

1. Press **Menu** ➔ **Settings** ➔ **Security**.
2. Select **Master clear** to delete phone settings and content such as contacts, number lists and messages (SIM memory is not affected).

3. Enter the phone password and press **OK** to reset.

Note!
*The default phone code is **1234**.*

File manager

Manage the contents and properties of files. You can open, delete, move, copy and rename files.

1. Press **Menu** ➔ **Settings** ➔ **File manager**.
2. Select **Phone/Memory card** ➔ **Open**.
3. Select a folder, eg **Photos** and press **Open**.
4. Select a file and press **Options**:
   - **Play** (audio/video/music), press ⌒ to **Play** or ⌣ to **Stop**.
   - **View** (photos/images) for single view.
   - **Send** ➔ **Send by MMS** to send as picture message (MMS) (*Create and send picture message (MMS), p.16*)/**Send by Bluetooth** to send to a Bluetooth device (*Bluetooth®, p.38*).
   - **Details** to view detailed information about the file, e.g. date, size, copyright protection.
   - **Use** ➔ **Wallpaper** to save as display background/**Phonebook picture** to send to a phonebook contact.
   - **Create folder** to create a new folder.
   - **Rename** to rename the file.
   - **Delete** to delete the file.
   - **Delete all** to delete all files in selected folder.
   - **Sort by** ➔ **Name/Time**.
   - **Copy/Move** ➔ **Phone/Memory card** ➔ **Options** ➔ **Open**. Select a folder, eg **Photos** and press **Options** ➔ **Paste**.
5. Press **OK** to confirm.

Supported formats:

- Picture format: BMP/GIF/JPG/PNG. Photos taken with the built in camera are saved as JPG.
- Audio format: WAV/AMR/MIDI/MP3/AAC/AAC+. Recordings made with the built in sound recorder are saved as AMR.

- Video format: MP4/3GPP. Only playback is possible.

Additional functions

Organizer

The Organizer menu contains:

	Alarm		Daily reminder
	Calendar		Notes

Alarm

1. Press **Menu** ➔ **Organizer** ➔ **Alarm** ➔ **On**.
2. Enter the alarm time using the keypad.
3. Press **OK** to confirm.
4. For a single occurrence, select **Single**.
   For a repeated alarm, select **Repeated**. Scroll through the list of days and press **On/Off** to enable/disable the alarm for each day.

To edit an alarm, press **Edit**.

To stop the alarm, press **Off**.

Note!
*The alarm will work even when the phone is switched off. Do not press **Yes** to power on if wireless phone use is prohibited or when it may cause interference or danger.*
*When the alarm goes off a signal will sound. Press **Stop** to turn off the alarm or press **Snooze** to repeat the alarm after 9 minutes.*

Calendar

View

1. Press **Menu** ➔ **Organizer** ➔ **Calendar**.
2. Press **Options** ➔ **View** to show tasks for the selected date.
3. Press **OK** to confirm.

Add task

1. Press **Menu** ➔ **Organizer** ➔ **Calendar** ➔ **Add task**.
2. Enter date for the task, then press ⌴.

3. Enter time for the task, then press ⌴.
4. Enter subject.
5. Press **OK** to confirm.

Jump to date

1. Press **Menu** ➔ **Organizer** ➔ **Calendar** ➔ **Jump to date**.
2. Enter the date.
3. Press **OK** to confirm.

View all

1. Press **Menu** ➔ **Organizer** ➔ **Calendar**.
2. Select a task and press **Options** ➔ **View all**.
3. Press **Options**:
   - **Edit** to edit selected task.
   - **Delete** to delete selected task.
   - **Delete all** to delete all tasks.
4. Press **OK** to confirm.

Note!

*The calendar will work even when the phone is switched off. Do not press **Yes** to power on if wireless phone use is prohibited or when it may cause interference or danger.*

Daily reminder

1. Press **Menu** ➔ **Organizer** ➔ **Daily reminder** ➔ **Add**.
2. Enter time for the task, then press ⌴.
3. Enter subject.
4. Press **OK** to save.

Note!

*The reminder will work even when the phone is switched off. Do not press **Yes** to power on if wireless phone use is prohibited or when it may cause interference or danger.*
*When the alarm goes off a signal will sound. Press **Stop** to turn off the alarm or press **Snooze** to repeat the alarm after 9 minutes.*

Options

1. Press **Menu** ➔ **Organizer** ➔ **Daily reminder**.
2. Select a reminder, then press **Options**

- **Add** to add new reminder.
- **Edit** to edit selected reminder.
- **Delete** to delete selected reminder.
- **Delete all** to delete all reminders.

3. Press **OK** to confirm.

Note!
*The reminder will work even when the phone is switched off. Do not press **Yes** to power on if wireless phone use is prohibited or when it may cause interference or danger.*

Notes

1. Press **Menu** ➔ **Organizer** ➔ **Notes**.
2. Select **Add** to enter your note using the keypad.
3. Press **OK** to save.

Options

1. Press **Menu** ➔ **Organizer** ➔ **Notes**.
2. Select a note, then press **Options**:
   - **Add** to add new note.
   - **Edit** to edit selected note.
   - **Delete** to delete selected note.
   - **Delete all** to delete all notes.
3. Press **OK** to confirm.

FM radio

The FM radio has a frequency range from 87.5 to 108.0 MHz and 9 preset channels.

Turning the radio on

1. Connect the headset to the headset socket .
2. Press **Menu** ➔ **FM radio**. The radio is turned on. The tuned frequency is displayed.
3. Select channel using ◡ or ⌒. Use the side keys **+/-** to adjust the volume.

Tip:
Press to return to standby mode. The radio will continue to play.

Volume
1. Press **Menu** ➔ **FM radio**.
2. Press **Options** ➔ **Volume**.
3. Use or or the side buttons **+/–** to adjust the volume.
4. Press **OK** to confirm.

Save frequency
1. Press **Menu** ➔ **FM radio** ➔ **Options** ➔ **Save frequency**.
2. Enter a name for the new channel, see *Entering text , p. 5* .
3. Press **Save**.

Switch off

- Press **Menu** ➔ **FM radio** ➔ **Options** ➔ **Switch off**.

Tip:
Disconnecting the headset will also turn off the radio.

Loud speaker
1. Press **Menu** ➔ **FM radio**.
2. Press **Options** ➔ **Loud speaker** ➔ **On**.
3. Use the side buttons **+/–** to adjust the sound volume.
4. To turn off, select **Off**.

Channel list (editing the channel list)
1. Press **Menu** ➔ **FM radio** ➔ **Options** ➔ **Channel list**.
2. Select the channel you wish to edit and press **Options**:
   - **Play** to play the selected channel.
   - **Delete** to delete the channel. Press **Yes** to confirm or **No** to return to the channel list.
   - **Edit** to edit the channel name, then press to edit the frequency, use # to enter the decimal point. Press **Save** when done.
3. Press **OK** to confirm.

Manual input (changing search mode)
1. Press **Menu** ➔ **FM radio** ➔ **Options**.
2. Select **Manual input**:

- **Fine tune** to tune manually with ⌣ or ⌢.
- **Auto search** to use automatic station search with ⌣ or ⌢.

3. Press **OK** to confirm.

Auto save

Note!

This will overwrite all previously saved channels!

1. Press **Menu** ➔ **FM radio** ➔ **Options**.
2. Select **Auto save** to automatically install available radio stations in channels **1**-**9**.
3. Press **OK** to confirm.

Calculator

The calculator can perform basic mathematical operations.

1. Press **Menu** ➔ **Calculator**.
2. Enter the first number. Use **#** to enter decimal points.
3. Use the arrow buttons to select an operation (+, -, x, ÷) and press **OK**.
4. Enter the next number and press **OK**.
5. Repeat steps 2–4 as necessary.
   Select **=** and press **OK** to calculate the result.

Flashlight

1. Press **Menu** ➔ **Flashlight**.
2. Press **Off** to turn off.

Note!

See Flashlight, p.24 to set the automatic switch off time.

Games

1. Press **Menu** ➔ **Games**.
2. Select **Tetris**/**Boxman**:
   - **Continue** to continue game.
   - **Restart level** to restart game at the same level as before.

- **Start game** to start a new game.
- **Game level** to select difficulty level.
- **Best grades** to view your best results. Press **Back** to return or **Reset** to reset the scores.
- **Help** to view instructions for the game. Press **Back** to return.
- **Settings** ➔ **Sound effect** to enable/disable by using the side buttons **+/-** to select **On**/**Off**.
- **Settings** ➔ **Volume** to adjust the sound volume using the side buttons **+/–**.

3. Press **OK** to confirm

Status

Scroll the status list to get further information about the icons shown on top of your display. Icons shown on the display varies depending on your phone status.

1. Press **Menu** ➔ **Status**.
2. Use ◡ or ◠ to scroll the list.
3. Press **Back** to return to standby mode.

Instructions for the REMOTE USER

Send remote control commands by text message (SMS)

1. Make sure activation is set to **On** and that the remote user is saved in the **Number list** on the Doro PhoneEasy® 520X.
2. Press **Menu** ➔ **Settings** ➔ **Security** ➔ **Remote config**.

Note!
Text message (SMS) format must be ****#Command#****, otherwise the text message (SMS) cannot be identified as a remote control command.*

- Parameters are the content you want to send.
- Use # sign to separate two parameters.
- In tables P = Parameters.

Save a new contact in the phonebook

All contacts sent to Doro PhoneEasy® 520X by remote configuration are stored in the phone (even if storage is set to SIM). 3 phone numbers for each contact Mobile, Home or Office can be sent.

Command	P 1	P 2	P 3	P 4
phonebook	**name** max. length=30	**mobile** max. length=40	**home**	**office**

Example: Send Jeff Jackson's mobile number, home number and his office number to Doro PhoneEasy® 520X.
The mobile number is: 0700-393939. Home number: 046-280 50 11. Office number: 046-280 50 83.

- *#phonebook#Jeff Jackson#0700393939#0462805011#0462805083#

The number is saved in the 520X phonebook as:

Jeff Jackson

0700393939

0462805011

0462805083

Note!
Only use numerals for parameters 2, 3 and 4. If you use letters in these parameters it will be stored as empty/blank in the phonebook. Contacts already saved in the phonebook, will not be replaced. They will be duplicated. This is to avoid unintentional removal of contacts from the phonebook.

Tip:
*When storing international numbers, always use **+** before the country code for best operation. Enter the phone number including the area code.*

Set the assistance function

Command	P 1	P 2	P 3	P 4
alert	**a** activation	**0/1/2** 0=Off 1=On Normal 2=On (3)		

alert	**n** number	**1–5** location in Number list	**Name** max. length=30	**number** max. length=40
alert	**m** message	**0/1** 0=Off 1=On	**Text** max. length=70	
alert	**c** confirm with “0”	**0/1** 0=Off 1=On		
alert	**s** signal type	**0/1/2** 0=High 1=Low 2=Silent		

Example: Activate the assistance function.

- *#alert#a#1#

Example: Store Jeff Jackson in Number list as position one (1) with phone number: 0700-393939.

- *#alert#n#1#Jeff Jackson#0700393939#

Example: Enable the text message (SMS) function to when the **Assistance** button is pressed. The text message should be: This is an assistance message. Please take appropriate actions.

- *#alert#m#1#This is an assistance message. Please take appropriate actions.#

Example: Enable the Confirm with "0" function.

- *#alert#c#1#

Example: Set the Signal type to low.

- *#alert#s#1#

Tip:
Remember to write down the positions you send. This way it is easier for you to send changes later.

Set the one touch memories

Command	P 1	P 2	P 3
memorykey	**a** A key	**Name** max length = 30	**number** max length = 40
memorykey	**b** B key	**Name** max length = 30	**number** max length = 40

Example: Set Jeff Jackson's mobile number in memory key **A** in Doro PhoneEasy® 520X and Martha Thomson in memory key **B**.

- *#memorykey#a#Jeff Jackson#0700393939#
- *#memorykey#b#Martha Thomson#0768991014#

Add task to calendar

Command	P 1	P 2	P 3
task	**yyyymmdd** Date	**hhmm** Time	**note** description of task. max. length = 35

Example: Send a new calendar task to Doro PhoneEasy® 520X. The task text should be: dentist appointment in December 1, 2010 at 10:30.

- *#task#20101201#1030#dentist appointment#

Troubleshooting

Phone cannot be switched on

Battery charge low	Connect the power adapter and charge the battery for 3 hours. Full battery capacity is reached after the battery has been charged 3–4 times.
Battery incorrectly installed	Check the installation of the battery.

Failure to charge the battery

Battery or charger damaged	Check the battery and charger.
Battery should only be charged in temperatures between 32 °F and 105 °F	Improve the charging environment.
Charger incorrectly connected to phone or power socket	Check the charger connections.

Standby time decreases

Battery charge capacity too low	Install a new battery.
Too far from base station, phone is constantly searching for signal	Searching the network consumes battery power. Find a place with a stronger signal, or temporarily turn off the phone.

Failure to place or receive calls

Call barring activated	Deactivate call barring. If this does not solve the problem, contact your service provider.

PIN code not accepted

Wrong PIN code entered too many times	Enter the PUK code to change the PIN code, or contact your service provider.

SIM card error

SIM card damaged	Check the condition of the SIM card. If it is damaged, contact your service provider.
SIM card incorrectly installed	Check the installation of the SIM card. Remove the card and reinstall it.
SIM card dirty or damp	Wipe the contact surfaces of the SIM card with a clean cloth.

Failure to connect to network

SIM card invalid	Contact your service provider.
No coverage of GSM service	Contact your service provider.

Weak signal

Too far from base station	Try again from another location.
Network congestion	Try calling at a later time.

Echo or noise

Regional problem from bad network relay	Hang up and redial. This may switch to another network relay.

Failure to add a contact

Phonebook memory full	Delete contacts to free up memory.

Failure to set a function

Function not supported or subscribed from network	Contact your service provider.

Safety instructions

⚠ CAUTION

The unit and the accessories can contain small parts. Keep all of the equipment out of the reach of small children.
The mains adapter is the disconnect device between the product and mains power. The mains socket outlet must be close to the equipment and easily accessible.

Network services and costs

Your device is approved for use on the WCDMA 850/1900 MHz, GSM 850/1800/1900 MHz networks. To use the device, you need a subscription with a service provider.

Using network services may result in traffic costs. Some product features require support from the network, and you may need to subscribe to them.

Operating environment

Follow the rules and laws that apply wherever you are, and always turn off the unit whenever its use is prohibited or can cause interference or hazards. Only use the unit in its normal user position.

This unit complies with guidelines for radiation when it is used either in a normal position against your ear, or when it is at least 0.6 in from your body. If the unit is carried close to your body in a case, belt holder or other holder, these holders should not contain any metal, and the product should be placed at the distance from your body specified above. Make sure that the distance instructions above are followed until the transfer is complete.

Parts of the unit are magnetic. The unit can attract metal objects. Do not keep credit cards or other magnetic media near the unit. There is a risk that information stored on them can be erased.

Medical units

The use of equipment that transmits radio signals, for example, mobile phones, can interfere with insufficiently protected medical equipment. Consult a doctor or the manufacturer of the equipment to determine if it has adequate protection against external radio signals, or if you have any questions. If notices have been put up at health care facilities instructing you to turn off the unit while you are there, you should comply. Hospitals and other health care facilities sometimes use equipment that can be sensitive to external radio signals.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of 6 inch be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. Persons with pacemakers:

- Should always keep the phone more than 6 inch from their pacemaker when the phone is turned on.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference.

If you have any reason to suspect that interference is taking place, turn the phone off immediately.

Areas with explosion risk

Always turn off the unit when you are in an area where there is a risk of explosion. Follow all signs and instructions. There is a risk of explosion in places that include areas where you are normally requested to turn off your car engine. In these areas, sparks can cause explosion or fire which can lead to personal injury or even death.

Turn off the unit at filling stations, and any other place that has fuel pumps and auto repair facilities.

Follow the restrictions that apply to the use of radio equipment near places where fuel is stored and sold, chemical factories and places where blasting is in progress.

Areas with risk for explosion are often – but not always – clearly marked. This also applies to below decks on ships; the transport or storage of chemicals; vehicles that use liquid fuel (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powder.

Protect your hearing

⚠ WARNING

Excessive exposure to loud sounds can cause hearing damage. Exposure to loud sounds while driving may distract your attention and cause an accident. Listen to a headset at a moderate level, and do not hold the device near your ear when the loudspeaker is in use.

Emergency calls

IMPORTANT!

Mobile phones use radio signals, the mobile phone network, the terrestrial network and user-programmed functions. This means that connection cannot be guaranteed in all circumstances. Therefore, never rely only on a mobile phone for very important calls such as medical emergencies.

Vehicles

Radio signals can affect electronic systems in motor vehicles (for example, electronic fuel injection, ABS brakes, automatic cruise control, air bag systems) that have been incorrectly installed or are inadequately protected. Contact the manufacturer or its representative for more information about your vehicle or any additional equipment.

Do not keep or transport flammable liquids, gases or explosives together with the unit or its accessories. For vehicles equipped with air bags: Remember that air bags fill with air with considerable force.

Do not place objects, including fixed or portable radio equipment in the area above the airbag or the area where it might expand. Serious injuries may be caused if the mobile phone equipment is incorrectly installed and the airbag fills with air.

It is prohibited to use the unit in flight. Turn off the unit before you board a plane. Using wireless telecom units inside a plane can pose risks to air safety and interfere with telecommunications. It may also be illegal.

Driving safely

Adapted from CTIA-The Wireless Association®

⚠ WARNING

Use of this unit alone or with headphones (even if used only in one ear) while driving a motor vehicle or riding a bicycle is dangerous and is illegal in some areas, and the user should not engage in such conduct. Driving while operating a mobile phone is distracting and could cause serious injury or death.

If you decide to use this unit while driving or riding a bicycle, keep in mind the following guidelines:

- **Give full attention to driving and to the road.**
  Using a mobile device while driving may be distracting. If you find it disruptive or distracting while operating any type of vehicle, riding a bicycle, or performing any activity that requires your full attention, pull off the road and park before making or answering a call if driving conditions require.
- **Get to know your phone and its features such as phone book, call memory, and speakerphone.**
  These features help you to place your call without taking your attention off the road. See the applicable portion of this user's guide for more information.
- **Use a hands-free device.**
  Add an extra layer of convenience and safety to your unit with one of the many hands-free accessories available.Use of a headset or other hands-free device may be legally required.Several states have in recent years passed laws making it unlawful to operate a motor vehicle while talking on a wireless phone without use of a headset, speakerphone, or other hands-free device. County and municipal ordinances may also limit or ban wireless conversations for automobile drivers. You should therefore check the status of such laws in your area and in locations to which you travel by car, whether or not you otherwise follow the preferred safety practice of routinely using a hands-free device.For SMS text messaging, it is a recommended safety practice that you never send or view received text messages while driving; in California, and likely other states in the future, SMS messaging by a driver is also a legal violation.
- **Position phone within easy reach.**
  Keep your eyes on the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.

- **Assess the traffic before dialing, or place calls when you are not moving or before pulling into traffic.**
  Try to plan calls when your car will be stationary. Never dial, send SMS text messages, or enter other text while you are driving. Driving while operating a mobile phone is distracting and could cause serious injury or death.
- **Let the person you are speaking with know you are driving.**
  If necessary, suspend the call in heavy traffic or hazardous weather conditions. Driving in rain, sleet, snow, ice, fog, and even heavy traffic can be hazardous.
- **Do not take notes, look up phone numbers, or perform any other activities that require your attention while driving.**
  Jotting down a to-do list or flipping through your address book takes attention away from your primary responsibility, driving safely.
- **Do not engage in stressful or emotional conversations that may be distracting.**
  Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.

Hearing aid compatibility

Note!

For hearing aid compatibility, turn off Bluetooth connectivity.

Your mobile device model complies with FCC rules (C63.19-2007) governing hearing aid compatibility. These rules require an M3 microphone or higher value. The M-value, shown on the device box and below, refers to lower radio frequency (RF) emissions. A higher M-value generally indicates that a device model has a lower RF emissions level, which may improve the likelihood that the device will operate with certain hearing aids. Some hearing aids are more immune than others to interference. Please consult your hearing health professional to determine the M-rating of your hearing aid and whether your hearing aid will work with this device. This device is set for direct connection to telecoilequipped hearing aids. When both the telecoil hearing aid (T switch) and the phone telecoil are activated, using the device with the aided ear will provide a direct connection for audio through your hearing aid. The quality of sound depends on the type of hearing aid used. You should test the device with the telecoil setting activated to determine whether your audio performance improves.

Your device meets the M3/T3 level rating.

TTY compatibility

This unit does not support TTY signaling. If you intend to connect a TTY to the unit, this unit should not be purchased and, if already purchased, it should be returned for a refund.

RF exposure information (SAR)

This model phone meets the government's requirements for exposure to radio waves. This phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications

Commission of the U.S. Government and by the Canadian regulatory authorities. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6W/kg. *Tests for SAR are conducted using standard operating positions accepted by the FCC and Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the poser required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for the model phone as reported to the FCC when tested for use at the ear is 1.406 W/kg and when worn on the body, as described in this user guide, is 1.418 W/kg (Body-worn measurements differ among phone models, depending upon available enhancements and FCC requirements.)

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/ea/fccid after searching on **FCC ID: WS5DORO520X**

For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and the positions the handset a minimum of 5/8 inch (1.5 cm) from the body. Use of other enhancements may not ensure compliance with FCC RF exposure guidelines. If you do not use a body-worn accessory and are not holding the phone at the ear, position the handset a minimum of 5/8 inch (1.5 cm) from your body when the phone is switched on.

*In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band.

IC Radiation Exposure Statement

This EUT is compliance with SAR for general population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209. This equipment should be installed and operated with minimum distance 1.5 cm between the radiator and your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

RF exposure information (SAR)

This model phone meets the government's requirements for exposure to radio waves. This phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government and by the Canadian regulatory authorities.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6W/kg. *Tests for SAR are conducted using standard operating positions accepted by the FCC and Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the poser required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.
The highest SAR value for the model phone as reported to the FCC when tested for use at the ear is 1.406 W/kg and when worn on the body, as described in this user guide, is 1.418 W/kg (Body-worn measurements differ among phone models, depending upon available enhancements and FCC requirements.)
While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/ea/fccid after searching on **FCC ID: WS5DORO520X**
For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and the positions the handset a minimum of 5/8 inch (1.5 cm) from the body. Use of other enhancements may not ensure compliance with FCC RF exposure guidelines. If you do not use a body-worn accessory and are not holding the phone at the ear, position the handset a minimum of 5/8 inch (1.5 cm) from your body when the phone is switched on.
*In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band.

IC Radiation Exposure Statement

This EUT is compliance with SAR for general population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209. This equipment should be installed and operated with minimum distance 1.5 cm between the radiator and your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

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FCC/Industry Canada notice

This device complies with part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules/Canadian ICES-003. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The FCC or Industry Canada can require you to stop using your unit if such interference cannot be eliminated.

Doro has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment.

Care and maintenance

Your unit is a technically advanced product and should be treated with the greatest care. Negligence may void the warranty.

- Protect the unit from moisture. Rain/snowfall, moisture and all types of liquid can contain substances that corrode the electronic circuits. If the unit gets wet, you should remove the battery and allow the unit to dry completely before you replace it.
- Do not use or keep the unit in dusty, dirty environments. The unit's moving parts and electronic components can be damaged.
- Do not keep the unit in warm places. High temperatures can reduce the lifespan for electronic equipment, damage batteries and distort or melt certain plastics.
- Do not keep the unit in cold places. When the unit warms up to normal temperature, condensation can form on the inside which can damage the electronic circuits.
- Do not try to open the unit in any other way than that which is indicated here.
- Do not drop the unit. Do not knock or shake it either. If it is treated roughly the circuits and precision mechanics can be broken.
- Do not use strong chemicals to clean the unit.
- Maintain the battery and phone during operation between 32 °F–105 °F. If the phone and battery become too warm or too cold, the phone and battery may not work temporarily, even if the battery is fully charged. Subjecting the phone and battery to excessive temperatures can create a safety hazard resulting in fire, explosion or other hazards.
- Do not disassemble or open crush, bend or deform, puncture or shred.
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, expose to fire, explosion or other hazard.
- Only use the battery for the system for which it is specified.
- Only use the battery with a charging system that has been qualified with the system per IEEE-Std-1725. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazard.
- Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.
- Replace the battery only with another battery that has been qualified with the system per this standard, IEEE-Std-1725. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazard.
- Promptly dispose of used batteries in accordance with local regulations.
- Battery usage by children should be supervised.
- Avoid dropping the phone or battery. If the phone or battery is dropped, especially on a hard surface, and the user suspects damage, take it to a service center for inspection.
- Improper battery use may result in a fire, explosion or other hazard.

For those host devices that utilize a USB port as a charging source, the host device's user manual shall include a statement that the device shall only be connected to CTIA certified adapters, products that bear the USB-IF logo or products that have completed the USB-IF compliance program.

The advice above applies to the unit, battery, mains adapter and other accessories. If the phone is not working as it should, please contact the place of purchase for service. Don't forget the receipt or a copy of the invoice.

Battery disposal and recycling information

When the battery in this unit has reached the end of its useful life, please dispose of it according to your local environmental laws and regulations. For information about recycling cell phone batteries, go to: http://www.rbrc.org.

The symbol means that according to local laws and regulations your product should be disposed of separately from household waste. When the battery in this unit has reached the end of its useful life, take it to a collection point designated by local authorities. Some collection points accept products for free. The separate collection and recycling of your unit will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

Warranty

This product is guaranteed for a period of 12 months from the date of purchase. In the unlikely event of a fault occurring during this period, please contact the place of purchase. Proof of purchase is required for any service or support needed during the guarantee period.
This guarantee will not apply to a fault caused by an accident or a similar incident or damage, liquid ingress, negligence, abnormal or improper usage, non-maintenance or any other circumstances on the user's part. Furthermore, this guarantee will not apply to any fault caused by a thunderstorm or any other voltage fluctuations. As a matter of precaution, we recommend disconnecting the charger during a thunderstorm.
Except as required by applicable law, batteries are consumables and are not included in any guarantee.
This guarantee does not apply if batteries other than DORO original batteries are used.
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Support

For assistance, please contact:

Website: www.dorocanada.com

Telephone: 1-888-611-3676

Specifications

Network:	WCDMA 850/1900 MHz, GSM 850/1800/1900 MHz
Dimensions:	118 mm (4.64 in) x 53 mm (2.08 in) x 13 mm (.51 in)
Weight:	95 g (3.35 oz) (including battery)
Battery:	3.7 V / 800 mAh Li-ion battery

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PhoneEasy 520X (3011)

FCC ID: WS5DORO520X

IC ID: 8175A-DORO520X

English (US)

Version 1.0

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